

Message Text

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62

ACTION SCI-06

INFO OCT-01 IO-14 ISO-00 ACDA-19 CIAE-00 INR-10 L-03

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FM USMISSION IAEA VIENNA

TO SECSTATE WASHDC 4141

INFO AEC GERMANTONW

UNCLAS IAEA VIENNA 2711

EO 11652: NA

TAGS IAEA, TECH

SUBJECT: IAEA SAFEGUARDS ANALYTICAL EXPERIMENT--PAFEX-2

1. MISSION HAS RECEIVED FORMAL AGENCY REQUEST FOR FOLLOWING MATERIALS FOR USE IN CONNECTION SECOND FISSIONABLE MATERIAL ANALYSIS EXPERIMENT FOR SAFEGUARDS PURPOSES--PAFEX-2:

A. 200 MG URANIUM-233 AS SOLID U308 WITH ISOTOPIC PURITY GREATER THAN 99.99 PERCENT

B. 2 MG PLUTONIUM-242 AS SOLID PU02 WITH ISOTOPIC PURITY GREATER THAN 99.7 PERCENT.

2. SPECIFIC OBJECTIVE OF PAFEX-2 IS TO DETERMINE AT NUMBER OF SAFEGUARDS ANALYTICAL LABORATORIES PARTICIPATING IN THIS PROGRAM THE URANIUM AND PLUTONIUM CONCENTRATIONS IN SOLUTIONS OF SPENT FUEL OBTAINED FROM REPROCESSING PLANTS, USING ISOTOPIC DILUTION-MASS SPECTROMETRY TECHNIQUE. AGENCY NOTES THAT REQUESTED MATERIAL WILL BE USED FOR ABOUT 200 ANALYSES AND WILL BE LOST DURING SUCH ANALYSES. AGENCY STATES THAT MATERIAL WILL BE SUBJECT TO ALL TERMS AND CONDITIONS OF US/IAEA AGREEMENT FOR COOPERATION.

3. AGENCY UNDERSTANDS THESE ISOTOPES ARE COMMERCIALY AVAILABLE ONLY AT ORNL AND THAT TOTAL COST WOULD BE ABOUT \$600. AGENCY WOULD APPRECIATE RECEIVING UP-TO-DATE COST ESTIMATE
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INCLUDING HANDLING AND TRANSPORTATION COSTS, AS WELL AS INFO

RE SHORTEST POSSIBLE DELIVERY TIME. MATERIAL SHOULD BE SHIPPED
TO MR. HERBERT FRITTUM, INTERNATIONAL ATOMIC ENERGY AGENCY,
KAERNTNERRING 11, P.O. BOX 590, A-1011, VIENNA, AUSTRIA.

4. COPY OF AGENCY LETTER POUCHED AMMONS, AEC, ADVISE.
PORTER

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NNN

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